



PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	09/944,472
Filing Date	August 30, 2001
First Named Inventor	James J. Howarth
Group Art Unit	2815
Examiner Name	J. Diaz
Attorney Docket Number	2269-4348US (MUEI-0547.00/US)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-4,829,665	05/16/1988	Kabeshita et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner  
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Considered

5/9/05

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Form PTO-1449

**INFORMATION DISCLOSURE STATEMENT  
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)  
4348US (MUEI-  
0547.00/US)

Application Number  
09/944,472

Applicant James J. H. warth

Filing Date August 30, 2001

Group Art Unit 2813 Unknown

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>2</i>	3,932,934	January 20, 1976	Lynch et al.			
<i>2</i>	4,142,286	March 6, 1979	Knuth et al.			
<i>2</i>	4,528,747	July 16, 1985	Hoffman et al.			
<i>2</i>	5,688,127	November 18, 1997	Staab et al.			
<i>2</i>	4,722,135	February 2, 1988	Read			
<i>2</i>	4,733,462	March 29, 1988	Kawatani			
<i>2</i>	4,810,154	March 7, 1989	Klemmer et al.			
<i>2</i>	4,940,181	July 10, 1990	Juskey, Jr. et al.			
<i>2</i>	4,975,079	December 4, 1990	Beaman et al.			
<i>2</i>	4,985,107	January 15, 1991	Conroy et al.			
<i>2</i>	5,006,792	April 9, 1991	Malhi et al.			
<i>2</i>	5,034,802	July 23, 1991	Liebes, Jr. et al.			
<i>2</i>	5,051,339	September 24, 1991	Friedrich et al.			
<i>2</i>	5,051,813	September 24, 1991	Schneider et al.			
<i>2</i>	5,056,216	October 15, 1991	Madou et al.			
<i>2</i>	5,074,036	December 24, 1991	Dunaway et al.			
<i>2</i>	5,155,905	October 20, 1992	Miller, Jr.			
<i>2</i>	5,164,818	November 17, 1992	Blum et al.			
<i>2</i>	5,189,507	February 23, 1993	Carlomagno et al.			
<i>2</i>	5,203,075	April 20, 1993	Angulas et al.			
<i>2</i>	5,255,431	October 26, 1993	Burdick			
<i>2</i>	5,329,423	July 12, 1994	Scholz			
<i>2</i>	5,337,219	August 9, 1994	Carr et al.			
<i>2</i>	5,376,010	December 27, 1994	Petersen			
<i>2</i>	5,400,220	March 21, 1995	Swamy			
<i>2</i>	5,403,671	April 4, 1995	Holzmann			
<i>2</i>	5,435,482	July 25, 1995	Variot et al.			

EXAMINER

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Form PTO-1449

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use separate sheets if necessary)

Docket Number (Optional)

4348US (MUEI-  
0547.00/US)

Application Number

09/944,472

Applicant James J. H. warth

Filing Date August 30, 2001

Group Art Unit 2815 Unknown

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,435,732	July 25, 1995	Angulas et al.			
7	5,442,852	August 22, 1995	Danner			
1	5,446,960	September 5, 1995	Isaacs et al.			
2	5,453,581	September 26, 1995	Liebman et al.			
2	5,459,287	October 17, 1995	Swamy			
2	5,463,191	October 31, 1995	Bel et al.			
2	5,477,086	December 19, 1995	Rostoker et al.			
2	5,477,933	December 26, 1995	Nguyen			
2	5,521,427	May 28, 1996	Chia et al.			
2	5,526,974	June 18, 1996	Gordon et al.			
2	5,528,461	June 18, 1996	Gore et al.			
2	5,556,293	September 17, 1996	Pfaff			
2	5,578,870	November 26, 1996	Farnsworth et al.			
2	5,611,705	March 18, 1997	Pfaff			
2	5,637,008	June 10, 1997	Kozel			
2	5,637,919	June 10, 1997	Grabbe			
2	5,639,323	June 17, 1997	Jordan			
2	5,646,447	July 8, 1997	Ramsey et al.			
2	5,669,774	September 23, 1997	Grabbe			
2	5,691,041	November 25, 1997	Frankeny et al.			
2	5,702,255	December 30, 1997	Murphy et al.			
2	5,716,222	February 10, 1998	Murphy			
2	5,726,502	March 10, 1998	Beddingfield			
2	5,730,606	March 24, 1998	Sinclair			
2	5,767,580	June 16, 1998	Rostoker			
2	5,770,891	June 23, 1998	Frankeny et al.			
2	5,796,590	August 18, 1998	Klein			

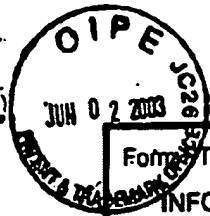
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(2-92)

Sheet 1 of 1

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)  
4348US (MUEI-0547.00/US)Application Number  
09/944,472

Applicant Jam s J. H warth

Filing Date August 30, 2001

Group Art Unit 2815

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2	5,150,194	09/1992	Brooks et al.			
2	5,327,008	07/1994	Djennas et al.			
2	5,468,991	11/1995	Lee et al.			
2	5,728,601	03/1998	Sato et al.			
2	5,861,654	01/1999	Johnson			
2	6,198,172 B1	03/2001	King et al.			
2	6,242,817 B1	06/2001	Grande et al.			
2	6,420,195	07/2002	King et al.			
2	6,518,098	02/2003	Corisis			
2	6,548,827 B2	04/2003	trie			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)


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Sheet 1 of 1

**Complete If Known**

Application Number	09/944,472
Filing Date	August 30, 2001
First Named Inventor	James J. Howarth
Group Art Unit	2815
Examiner Name	J. Diaz
Attorney Docket Number	4348US (MUEI-0547.00/US)

## U.S. PATENT DOCUMENTS

Examiner Initials *	Case No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Person(s) or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
J J J J J J J J J J J J J		US-4,095,253	08/13/1978	Yoshimura et al.	
		US-4,689,875	09/01/1987	Sotstad.	
		US-4,981,107	10/02/1990	Geist et al.	
		US-4,867,262	10/30/1990	Farnsworth	
		US-5,349,235	09/20/1994	Lee et al.	
		US-5,352,851	10/04/1994	Wallace et al.	
		US-5,413,970	05/09/1995	Russell	
		US-5,555,488	09/10/1998	McLellan et al.	
		US-5,773,321	08/30/1998	Ishikawa et al.	
		US-5,861,669	01/19/1999	Sono et al.	
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CLASS / SUBCLASS

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## FOREIGN PATENT DOCUMENTS

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Signature**

**Date Considered**

3/11/04

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PTO/SB/08A (10-01)





PTO/SB/01A (10-01)

Approved for use through 10/31/2002. OMB 0631-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Complete if Known		
(use as many sheets as necessary)			Application Number	09/944,472	
			Filing Date	August 30, 2001	
			First Named Inventor	James J. Howarth	
			Group Art Unit	2815	
			Examiner Name	J. Diaz	
Sheet	1	of	2	Attorney Docket Number	4348US (MUEI-0547.00/US)

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
JD		US-6,297,960	10/02/01	Maden et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	3/11/04
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